

M 5.4, 55 km WSW of Bojnrd, Iran

Origin Time: 2021-05-17 00:54:01 UTC (Mon 05:24:01 local)

Location: 37.3310° N 56.7277° E Depth: 10.0 km

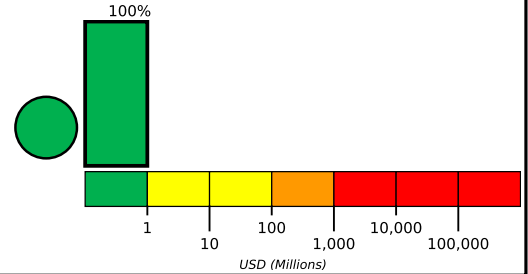
Created: 1 day, 0 hours after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

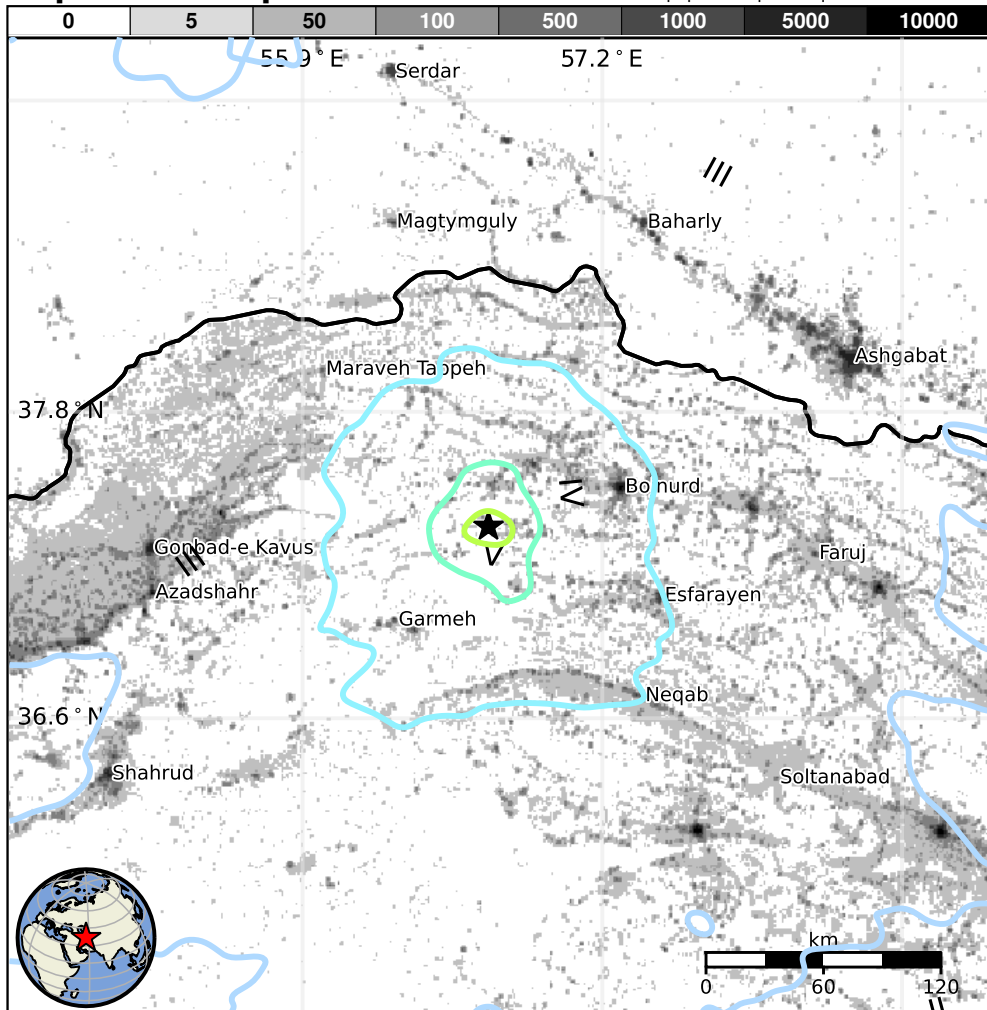


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	4,263k	615k	40k	6k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud and timber post construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2000-12-06	296	7.0	VI(138k)	11
2000-02-02	268	5.3	VII(79k)	1
1997-02-04	66	6.5	VII(9k)	100

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Ashkhaneh	<1k
IV	Jajarm	<1k
IV	Bojnurd	192k
IV	Garmeh	<1k
IV	Neqab	<1k
IV	Esfaryen	60k
III	Ashgabat	728k
III	Sabzevar	226k
III	Annau	28k
III	Shahrud	132k
III	Nishabur	221k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000e3n6/pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000e3n6